Honeywell
How IoTs will make our life better

During the trip to Honeywell (China), what interested me a lot is their Smart Home system. It can connect everything you could think of at home together, to your smart phone, such as lights, smart refrigerator and even the curtains. You can control almost everything in your home on your phone, even if you're not at home yet! One more essential electric device, especially for Chinese customers, that you can connect, is the smart air purifier. As we all know, as the development of China accelerates, the air pollution got more and more serious, too. Honeywell's air purifiers can detect the real-time air quality and do its job accordingly.

As Smart Home becomes a more and more trendy, we also saw a lot of related products at the IoT fair during this study trip. What impressed us a lot was the smart lock, which has different ways to be opened, for example, by finger prints, by app, by password, etc. The customer can also check your lock-opening records on your phone, which helps manage the home security better.

There was also the smart fire alarm system at the IoT fair, which was very interesting and practical. It combined temperature sensor with the smoke sensor to make sure if there's really a fire. (Unlike nowadays, most homes are only equipped with smoke sensors and it could cause really a mess when it only detected smoke from cooking and make false fire alarms.) Then the device is also connected with the fire station and the customer's phone through specific gateways. As soon as it detects there's a fire, it'll send a text to the phone and call the fire station, so the home owner doesn't need to worry too much if he's on a business trip far away from home when his home's on fire. The fire fighters will take care of it for him.

As you can see, these IoT technologies really make our life easier and more secure. There would definitely be more functions invented as the technologies develop, while there would also be issues occurring. For example, to what extent would the Smart Home system collect the data? How would it keep the data? Would it upload them to the main server of the service provider? Or does it keep the data locally? How would they secure the data from leakage? These are all the issues need to be solved before the wide implementation of the Smart Home systems.

My card from China
Cheng PENG
MiM programme - IoT specialization